

THE BULLETIN

A NEWSPAPER BY AND FOR Y-12 EMPLOYEES OF UNION CARBIDE NUCLEAR COMPANY
DIVISION OF UNION CARBIDE CORPORATION

Vol. 11—No. 51

OAK RIDGE, TENNESSEE

Wednesday, December 18, 1957





Merry Christmas, Happy New Year, Says Superintendent

Once again I am glad to extend to each of you my best wishes for a Merry Christmas and Happy New Year as another year is nearing an end. This past year has been one of progress and accomplishment for the Y-12 Plant — both in carrying out our assignments in the field of atomic energy and the improvement in our safety record as a result of the cooperation of everyone in the plant.

I want to congratulate everyone in the Y-12 Plant for their part in making such a record possible in 1957 and believe that continued joint efforts by all of us will bring even more success in 1958.

It again is my pleasure to send to all Y-12ers and their families best wishes for a Merry Christmas and a safe and Happy New Year.

JOHN P. MURRAY
Y-12 Plant Superintendent

The Bulletin To Suspend Publication For Christmas

Because of the Christmas Holiday schedule and as Christmas Day falls on Wednesday, December 25, The Bulletin will suspend publication for one week and not publish an edition under the December 25 dateline. However, this week The Bulletin is printing an eight-page edition full of interesting news about the Y-12 Plant and Union Carbide Corporation. The next edition of The Bulletin will be dated Wednesday, January 1, and should reach all Y-12ers beginning Thursday, January 2. It will have lots of pictures and news of holiday activities of Y-12ers.

10 Years Service

Congratulations are extended to the following Y-12 employees who will complete 10 years of Company Service within the next few days.

William G. Shaw, General Machine Shop, December 22.
Fedric J. Bates, Buildings and Grounds, December 24.
Harold E. Fry, Heavy Equipment Maintenance, December 29.
Lloyd N. Wakefield, Stores Department, December 30.
Archie L. Franklin, Research Services, December 31.

Last Surplus Sale Of Year Scheduled For December 28

The last sale of surplus property by the Union Carbide Nuclear Company Property Sales Department will be held on Saturday, December 28, at the Company warehouse on River Road near the Elza Gate. The sale will be held from 8 a.m. to 4 p.m.

Y-12ers and other Oak Ridgers have been able to pick up many bargains in useful articles at these surplus property sales in the past. A wide variety of items will be offered, including stainless steel kitchen sinks in two sizes.

People who are wrapped up in themselves make small packages.

Educational Aid Plan Winter Term Is Near

Early Requests Urged By Y-12ers For Action

The beginning of the new year also will mark the start of the 1958 Winter Quarter in the Union Carbide Nuclear Company Educational Assistance Program. Y-12ers eligible for this aid who intend to seek the help for winter classes are urged to file applications as soon as possible with the Y-12 Training Department, Bldg. 9704-2, plant phone 7751. Ralph Pearson, Training Department, is coordinator of the Educational Assistance Program.

Applicants must have approval of department and divisional superintendents as well as that of the Y-12 Plant Superintendent before enrolling in a qualified course. The request for early action is made because some time is required for the preliminary paper work in processing the applications.

Pre-registration for the University of Tennessee Winter Term has been set between December 16 and January 2, with final registration from January 2-4. Classes will begin January 6 and will end March 13. Times for registration for students in the U-T Graduate Program will be Thursday, January 2, 6 to 9 p.m., in the Oak Ridge Institute of Nuclear Studies Training Building, directly behind the AEC Administration Building. Registration for the University of Tennessee Evening School will be in the Oak Ridge High School from 6:30 p.m. to 9:30 p.m. January 2-3 and from 9 a.m. to 12 noon January 4.

The Training Department already has listings of courses to be offered in the Winter Term by the University of Tennessee Graduate School and Evening School, the Electrical Engineering Graduate School and the Oak Ridge Adult Education Program. More information on other eligible courses are expected within the next few days and will be announced as soon as possible in The Bulletin.

To qualify for the program, a course must be one that will aid an employee in his present job or help prepare him for some other position with the Company. The course need not lead to a degree but should relate to the type of work being done by the applicant.

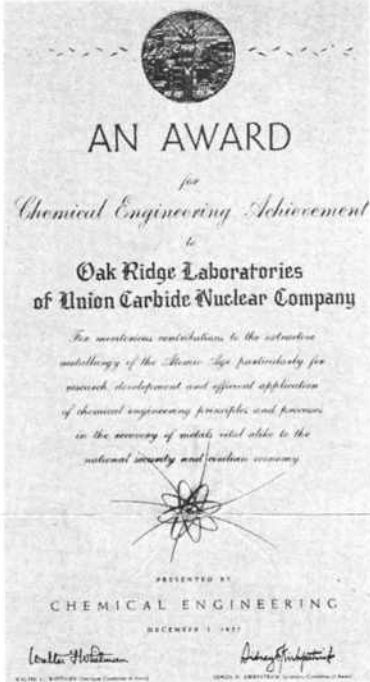
To be eligible for aid under the UCNC Educational Assistance Plan, a Y-12 applicant must be a salaried employee with at least six months of Company Service. Y-12ers who are receiving governmental aid for education, such as the GI bill, are not eligible for participation in the plan.

The financial assistance available amounts to 50 per cent of the cost of tuition, laboratory fees, necessary supplies, and required textbooks with a maximum of \$50 per school quarter or equivalent course period and a maximum of \$150 per 12-month period.

Y-12ers may enroll in each of these schools: the University of Tennessee Graduate School, in Oak Ridge and Knoxville; the University of Tennessee Evening School, in Oak Ridge and Knoxville; the Adult Education Program, in Oak Ridge; the University of Tennessee Correspondence School and the International Correspondence School. Courses offered in each of these schools include everything from arithmetic to advanced calculus and speech to nuclear physics.



RECEIVING THE CHEMICAL ENGINEERING MAGAZINE award for chemical engineering achievement on behalf of Union Carbide Nuclear Company laboratories in Oak Ridge are Dr. Alvin M. Weinberg, second from left, Director of Oak Ridge National Laboratory; Keith Brown, also of ORNL and a former Y-12er; and Clark E. Center, Vice President of UCNC. At left is Walter G. Whitman, chairman of the committee on award of Chemical Engineering. The award is pictured below.



UCNC Laboratories Honored By Magazine

Chemical Engineering Achievement Is Cited

The laboratories at the Y-12 Plant, the Gaseous Diffusion Plant and the Oak Ridge National Laboratory were honored by the magazine, Chemical Engineering, on December 2 with an award for chemical engineering achievement, citing the meritorious contributions made to the extractive metallurgy of the Atomic Age. The presentation to the Union Carbide Nuclear Company laboratories was made at a dinner during the 20th Exposition of the Chemical Industries in New York City.

The Chemical Engineering award was received for the Oak Ridge UCNC installations by Dr. A. M. Weinberg, Director of the Oak Ridge National Laboratory; Keith B. Brown, also of ORNL and a former Y-12er; and Clark E. Center, Vice President of UCNC.

The complete text of the citation reads:

Vital To Security, Economy
"For meritorious contribution to the extractive metallurgy of the Atomic Age, particularly for research, development and efficient application of chemical engineering principles and processes in the recovery of metals vital alike to the national security and civilian economy."

Signing the award were Walter G. Whitman, chairman of the committee of award of Chemical Engineering; and Sidney D. Kirkpatrick, committee secretary.

In addition to the award to the Oak Ridge laboratories, Lauchlin M. Currie, vice president of UCNC, accepted another award from the magazine for the Company's work with uranium.

Other Union Carbide Corporation divisions also were honored by the magazine, including Electro Metallurgical Company for its work with titanium, another "Atomic Age metal."

Fifth Time Since 1933

This is the fifth time since 1933 that Union Carbide Corporation Divisions have received Chemical Engineering Awards for Chemical Engineering Achievement. No other company has been honored so often. The awards are distributed every two years.

EDUCATIONAL TV URGED

Hugo Gernsback, editor and publisher of the magazine Radio-Electronics, proposed in the December issue of the publication that nationwide education by television could quickly produce thousands more scientists and engineers. The editor suggested a closed TV circuit for schools through which teachers could stimulate more interest in science.

Credit Union To Officers, Set Rate

Members Urged To Attend Annual Meeting

All members of the Y-12 Employees Federal Credit Union have been urged to attend the annual membership business meeting of the organization set for 7:30 o'clock Wednesday night, January 15, at the Ridge Recreation Hall, according to Paul Blake-



J. P. Blakely

ly, president of the organization. Blakely is an Oak Ridge National Laboratory employee working in the Y-12 Plant Area and is serving his second year as head of the Credit Union.

"The Y-12 Employees Credit Union belongs to its members and all of them should turn out for the January 15 meeting," President Blakely said. "There are members of the board of directors and two committees to elect for the coming year and the rate of the annual dividend to declare. This is the business of the entire membership."

Elam Heads Nominating Group

W. O. Elam, Head of the Y-12 Fire and Guards Department, has been selected by President Blakely as chairman of a nominating committee to select a slate of candidates for the offices to be filled at the January 15 meeting. The committee membership had not been completed last Friday, but will contain representatives of all sections of the plant.



W. O. Elam

To be elected at the January meeting will be four members of the board of directors, four of the credit committee and one of the supervisory committee. All are elected for terms of two years. The board of directors elects officers of the Credit Union from its own membership.

Terms Of Four Expire

Board members whose terms expire are Mrs. Lorena Causey, Treasurer of the organization; Gordon Fielden, Maintenance Planning; C. V. Ketron, Vice President and an ORNL employee in the Y-12 Plant Area; and D. W. Smith, Alpha Four Cascade Operations. Holdover members will be W. R. McGill, Fire Department; A. J. Fisher, Jr., Security; and President Blakely.

On the Credit Committee holdover members will be M. M. Dickens, Production Control; and T. J. Stephens, Plant Records. Members whose terms expire are A. L. Conte, Project Engineering; C. M. West, Health Physics; P. M. Griffin, ORNL employee in the Y-12 Plant Area; and W. E. Davis, Security. On the Supervisory Committee the term of Don Wood, an ORNL man, expires, while John Lay, SS Control, and Phyllis Johnson, Tabulation Service, have one more year to serve. Wood was elected by the board to succeed W. L. Coggins, Salvage, who resigned earlier this year.

Of interest to every shareholder in the Credit Union is the vote on the dividend to be declared. For the past five years the rate has been set at 4.2 per cent by vote of the membership.

Other business to be handled at the meeting will be the annual reports of the president, treasurer and committee chairmen, which will tell of progress and growth of the Credit Union during the preceding 12 months.

UCNC TO HAVE HOLIDAYS CHRISTMAS, NEW YEAR'S

Full one-day holidays will be enjoyed by most Union Carbide Nuclear Company employees in Oak Ridge and Paducah, Ky., on next Wednesday, December 25, for Christmas and on Wednesday, January 1, 1958, for New Year's Day. Only those employees needed for the protection and continuous operation of the Y-12, K-25 and Paducah Plants and the Oak Ridge National Laboratory will be required to work on those days. Christmas and New Year's Days and two of the seven regular Union Carbide Corporation holidays observed each year.



THREE Y-12ers ARE AMONG THIS GROUP OF 19 UCNC employees in Oak Ridge and Paducah, Ky., with more than 25 years of Company Service. From left, with their plant affiliations and employment date with Union Carbide, are J. E. Westfall, ORGDP, July 10, 1928; G. A. Smith, ORGDP, September 4, 1928; **S. F. Creigh, Y-12, April 7, 1930;** W. H. Taylor, ORGDP, December 8, 1927; **D. H. Rader, Y-12, January 1, 1930;** G. S. Hensley, ORGDP, October 18, 1928; J. A. McKenna, Paducah, August 24, 1928; R. G. Ingram, ORGDP, October 24, 1929; D. E. Williams, ORGDP, October 12, 1932; A. F. Stephenson, ORGDP, Au-

gust 23, 1929; Clark E. Center, UCNC Vice President, July 10, 1927; T. B. Smith, Paducah, May 1, 1926; G. V. Larmoyeux, ORGDP, August 22, 1930; A. P. Jago, ORGDP, February 1, 1932; **John P. Murray, Y-12, August 1, 1931;** A. A. Foresman, ORGDP, July 23, 1923; W. E. Goodall, ORGDP, August 22, 1928; Oral Rinehart, ORGDP, May 6, 1929; and Arthur Anderson, ORGDP, October 6, 1926. Other 25-year men at ORGDP not in the picture are M. L. Nygard, May 16, 1926; J. B. Marcus, July 21, 1930; H. B. Davis, July 22, 1920, and M. L. Cook, July 30, 1930. The group held a get-together dinner recently.

23 UCNC Men Have 654 Years Of Service With Company

Murray, Rader And Creigh Of Y-12 Are Among Men With More Than Quarter Century Of Time

Three Y-12ers are among 23 Union Carbide Nuclear Company employees in Oak Ridge and Paducah, Ky., plants of the Company with records of more than 25 years of Company Service to their credit. These 23 UCNC men at the Y-12 Plant, Oak Ridge Gaseous Diffusion Plant and the Paducah installation have compiled a total of 654 years of Company Service to their credit with most of them having begun their careers at the Charleston, W. Va., plant of Carbide and Carbon Chemicals Company, now Union Carbide Chemicals Company.

The three Y-12ers with more than a quarter of a century of service with Union Carbide in order of employment are:

Daniel H. Rader, Plant Shift Superintendent, January 5, 1930.
S. F. Creigh, B Shift Superintendent, April 7, 1930.
John P. Murray, Y-12 Plant Superintendent, August 1, 1931.

Plant Shift Superintendent Rader came to Y-12 on June 1, 1954, after 10 years of service at ORGDP. He is a native of Summersfield, W. Va., where he was born June 22, 1906. He joined Carbide at South Charleston and stayed there until sent to the ORGDP in 1944.

Creigh also began his Carbide work at South Charleston and worked in several UCC plants before coming to Y-12 on March 1, 1954, from Paducah. He was born in Roncove, W. Va., August 15, 1906.

The Y-12 Plant Superintendent came to Y-12 in his present job on January 1, 1954, from Paducah, where he held a similar post. He succeeded Logan B. Emlet, now Production Manager for UCNC. Prior to going to Paducah as Plant Superintendent he was assigned to the ORGDP from 1945 until transferred to the Kentucky plant on June 1, 1951. He likewise was employed by Carbide at the South Charleston plant. He was born November 9, 1911, at Tayes, W. Va.

The latest two 25-year men of UCNC were D. E. Williams and A. P. Jago, both of ORGDP, who reached that milestone this year. Williams was employed on October 12, 1932, and Jago on February 1 of the same year. At a banquet held recently at Deane Hill Country Club and attended by 19 of the 23 25-year men, Williams and Jago both were presented with gold watches in tribute to their long years of service.

print or a separate slip of paper when the entry is made. Although not absolutely necessary, it is preferable if the prints are made on glossy paper, as the winning pictures are published in The Bulletin and glossy prints reproduce much better.

STARS DESCEND TO HONOR FIRST CHRISTMAS TREE

How was the first Christmas tree decorated?

According to legend, when Christ was born a group of stars looked down on an olive tree, a date palm and a pine tree that stood over the manger. Seeing that the pine had nothing to offer in His honor while the others gave fruit and dates, they descended from the heavens to rest on the pine tree's boughs as an offering—and that was the first Christmas tree.

Data On Dependents Must Be Accurate

Recording Of Changes Promptly Is Required

It is most important for every Y-12er to keep the information on dependents accurate and up-to-date on the Withholding Exemption Certificate, known as Form W-4. Every change should be noted promptly, such as additions or decrease in number of dependents and exemptions so that the Payroll Department can know just how much federal income tax to deduct from pay checks.

If the present information on the W-4 Forms is correct, let the present certificate stand. However, if there are changes to be made they should be made as soon as possible by obtaining new forms from the Timekeeping Department, ground floor of the Y-12 Cafeteria, and filling them out correctly.

How Exemptions Are Changed

Exemptions usually are changed for income tax purposes when taxpayers are married or divorced, when a dependent is born or dies or ceases to be supported by the taxpayer.

Every Y-12er should be careful to avoid claiming any exemption that is not allowed by law, as such an act makes the employee subject to federal prosecution. However, if it is desired to reduce or omit exemption claims for the purpose of increasing the withholding tax to an amount nearer the correct annual income tax, this may be done. Full information on such a step may be obtained at the Timekeeping Department.

SS Tax Increases In 1960

There will be no increase in Social Security taxes for Y-12ers next year. The present two and one-quarter per cent of annual earnings on the first \$4,200 will continue to be deducted. Under the present law the Social Security tax is slated to go up to two and three-quarters per cent on January 1, 1960, and increase by one-half one per cent every five years until 1975.

Kiddies Urged To Be On Time

Promptness Is Urged At Christmas Parties

"Let's go see Santa Claus," is the cry that almost 6,000 youngsters of Union Carbide Nuclear Company employees in the Y-12 Plant, the Oak Ridge Gaseous Diffusion Plant and the Oak Ridge National Laboratory have issued to their parents, who have made arrangements for them to attend the Carbide Children's Christmas Parties to be held Monday, December 23. Four of the parties will be at the Oak Ridge High School auditorium and the other at the Gamble Valley School gymnasium.

More Than 2,000 Issued

Up through last Friday afternoon the number of applications for tickets handled by the Y-12 Recreation Department for the 1957 Children's Christmas parties broke all previous records. More than 2,000 children's tickets had been mailed.

All tickets for the 11 a.m. and 1 p.m. parties were exhausted last week and late applicants were issued tickets for the 9 a.m. and 3 p.m. sessions.

Now that the deadline has been reached and the ticket requests are in, it is important that Y-12 parents who will be present at one of the Children's Parties remember two essential facts. First, parents and children are urged to be present at the party for which tickets have been received and second, parents and children are asked to be on time for the correct party. Since it is expected there will be more than 6,000 youngsters in addition to parents to be divided among five parties, the problem of space enters in and in order to prevent overcrowding at any one party different tickets were issued.

All Programs Are Same

The parties at the high school auditorium will be at 9 a.m., 11 a.m., 1 p.m. and 3 p.m. The Gamble Valley party will be at 11 a.m. The program at all of the five parties will be exactly the same. The small fry will be entertained with movie cartoons, presented with Christmas stockings full of gifts and get a hearty greeting from Ole Saint Nick to cheer them through the holidays.

Y-12 Christmas Dance Set For Friday Night

Turkey, Ham And Fruit Cake To Be Presented

Last chance—they're going fast, this is the report the Recreation Department relays to all Y-12ers in the plant area as the annual Y-12 Christmas Dance nears. Come one—come all is the invitation extended to all Y-12 employees who have not yet bought tickets.

The gala event prompting these messages is the Y-12 Christmas Dance that will be held Friday, December 20, in the spacious Oak Terrace ballroom from 9 p.m. to 1 a.m. The dance is the outstanding social and fun event of the year for all Y-12ers and the occasion this year promises to out-do all others in fun and entertainment.

Of course, dancing will be the principal activity of the night as guests at all previous Y-12 dances have indicated their preference for tripping the light fantastic to other forms of entertainment. Coupled with the enjoyment of dancing will be the pleasure of mingling and chatting with old friends from all over the plant and the equally happy thought of making new acquaintances.

Larry Dunn Provides Music

Music for the dancing will be provided by Larry Dunn and his Orchestra. This group of musicians has played for several Y-12 dances in the past and its ability to produce toe tingling tunes is well known to throngs of Y-12ers who have attended these events. Membership of the band consists of eight musicians and a female vocalist and the musical strains that they have prepared promise to be better than ever before.

Three lucky guests will find themselves winners of luscious holiday victuals during the evening. Drawings will be made for a fine tom turkey, a country ham and a five-pound fruit cake that some happy guest will enjoy during the holiday season.

Tickets for the Christmas Dance are only \$1, including tax. In keeping with past policy no table reservations will be taken and they will go on a first-come, first-served basis.

Make plans now to be at the Oak Terrace Ballroom, Friday night of this week, from 9 p.m. to 1 a.m. and enjoy the greatest social event of the season.

Ministerial Radio Talks Run Through December 24

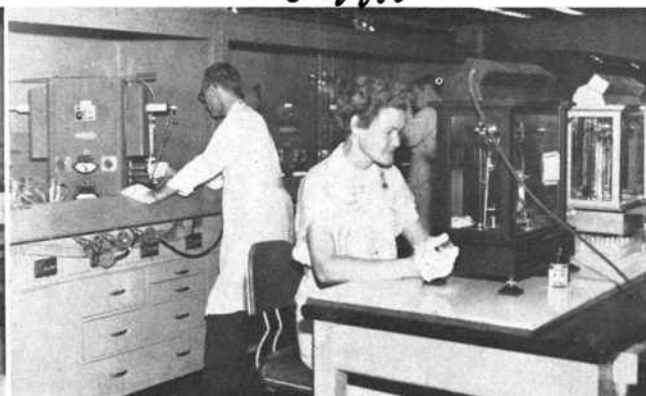
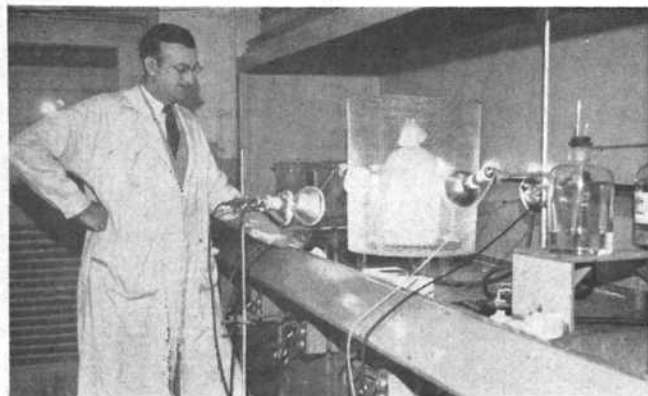
The series of Christmas holiday talks by Oak Ridge ministers that have been given daily over Oak Ridge Radio Station WATO will continue through next Tuesday, December 24, which is Christmas Eve. The theme of the messages, selected by the pastors, is "Putting Christ Back Into Christmas." The daily, except Saturday and Sunday, talks begin at 4:35 p.m. and last for 15 minutes and are sponsored by Union Carbide Nuclear Company.

The schedule for the remainder of the talks are today, Wednesday, December 18, Rev. A. B. Amos, First Christian Church; December 19, Rev. John Sutton, First Methodist; December 20, Rev. Samuel Howie, First Presbyterian; December 23, Rev. T. M. Megar, Glenwood Baptist; December 24, Rev. Harley Patterson, United Church.

MORSE DIAL IS HONORED

Morse G. Dial, President of Union Carbide Corporation, was honored as one of America's 50 foremost business leaders at the 40th Anniversary Dinner given by Forbes Magazine recently in New York. A biographical profile of the UCC President was published in the November 15 issue of the magazine.





SPOTLESS AND SAFE LABORATORIES are a factor in the extraordinary safety record compiled by the Technical Division. At left J. M. Schroyer is inspecting a test of vacuum evaporations being performed inside a bottle inside a wire screen shield. The center picture shows Ruth Cox in fore-

ground and C. R. Kelly and Doyle Martin in background working on equipment to determine percentage of carbon in certain materials. At right is a view of the spectrographic laboratory with Billie Britton and T. H. Barton in foreground and Juanita Moore in background. Because these Y-12ers

and others take full safety precautions the Division worked more than four years and 4,000,000 man-hours without posting a disabling injury to demonstrate how safe working procedures can be valuable in protecting lives and property of Y-12ers and the Y-12 Plant.

Technical Division's Safety Mark Supreme

**No Disabling Injuries
In 4,354,241 Hours**

For a division greatly responsible for the safety of employees of other divisions in the plant; the Y-12 Technical Division has established a stupendous safety record of its own that extended for more than four years.

When an employee in the Technical Division suffered a disabling injury on November 18, it broke an accident-free period of 4,354,241 man-hours of operations in the division that performs a widely varied program of activities. This extraordinary period began on July 19, 1953, when the last lost-time accident occurred before the mishap on November 18.

Superintendent Praises Division

Technical Division Superintendent W. C. Moore is proud of the performance of the men and women in the Division as is Y-12 Plant Superintendent John P. Murray, who has highly commended the division for its record.

The previously mentioned responsibility of the Technical Division for safety of employees of other divisions lies in the fact that the Technical Division group has as its principal function the testing of methods, materials and machinery used by other groups in the Y-12 Plant. Many problems involving planning and development of operations, equipment and materials to be used are tackled by the division annually before final approval of division leaders and those of other divisions, to whom the results and findings of the Technical Division are submitted, is reached.

Start From Scratch

In understanding many of these problems, Technical Division employees have to start from scratch in their experiments, testing and research. In other cases, division personnel may be requested to seek methods of improving existing methods.

In all cases, however, the general theme of procedure in the Technical Division is "be safe in your own work so that your results may bring safety to others."

In this work, naturally a number of unknown factors arise that might present chances of unforeseen accidents. For that most obvious reason, Technical Division employees from the beginning of their employment are thoroughly instructed, trained and checked in their use of prescribed safety equipment on various types of work and also the proper and safe technique of carrying out the varied jobs assigned. Close liaison is maintained with the Safety Department at all times.

More Than Four Years

This instruction and compliance of Technical Division employees has brought the remarkable record for accident-free operations throughout the division for the more than four years of work without a lost-time mishap.



A TEST OF THE TENSILE STRENGTH OF A CABLE is begun by Bert Searles, Testing Shop Inspector in the Mechanical Inspection Department of the Technical Division in the picture at left. The hydraulic pump being operated by Searles can exert a pull of 25 tons. Of course, the cover is lowered when the test is underway. In the center picture Searles keeps a close watch on the gage as the powerful pump stretches the cable in the



container at lower left of the photograph. At right J. C. Thompson, Equipment Inspector Supervisor in Mechanical Inspection, looks over the frayed cable that finally is broken at a pull of 12,200 pounds. With a safety factor of six to one, the test shows the cable capable of being safely used for a working load of 2,000 pounds. All Y-12ers in this department wear prescribed protective clothing and equipment.

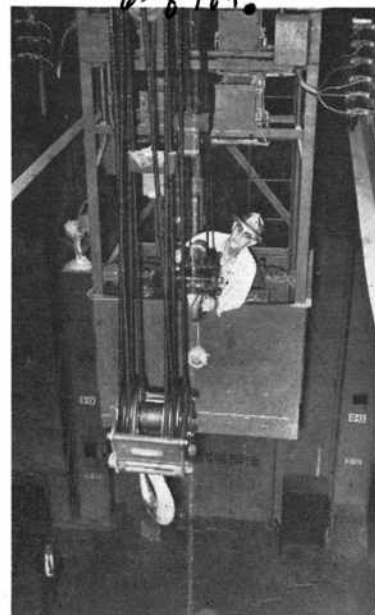


A CLOSE CHECK OF CABLES ON A GIANT CRANE is being made by J. W. Pate, a Mechanical Inspector in the Mechanical Inspection Department.

The responsibilities for the widely varied work of the Technical Division is carried out through several groups in laboratories, shops and on engineering drawing boards.

For instance, there is the Development Division under R. C. Olson. This group has as its objective the development of processes and techniques used by other divisions. Then the Laboratory Division, directed by W. A. Pfeiler, analyzes production samples and provides other analytical services for the plant. Under Clyde Bowles, the Mechanical Inspection Department tests equipment and materials used by shops and maintenance departments. The Engineering Division, headed by W. K. Whitson, Jr., produces working drawings and plans for equipment used by all divisions. The Special Projects Department directed by Ernest Zurcher concerns itself with liaison between other contractors of the Atomic Energy Commission and the AEC itself as well as with other Union Carbide Nuclear Company groups in the Y-12 Plant and elsewhere. A small but highly important group is Radiation Control under J. D. McLendon, to whom problems concerning the subject are submitted.

So it is "hats off" to the approximately 600 employees in the Technical Division not only for the outstanding safety record of its own but for the accomplishments



PATE INSPECTS EQUIPMENT in the cob of the big crane. The size of the crane and its height can be seen by comparing it to the man on the floor at lower left.

that have brought more protection from accidents to many, many others through the Y-12 Plant.

Use anti-freeze for motors—not men.

Y-12 Plant Posts Excellent Safety Record For 11 Months Of 1957 Compared To 1956

**Minor Accidents Also Show Big Decrease;
Continuance Of Safety Consciousness Urged**

Y-12ers and other Union Carbide Nuclear Company employees in the Y-12 Plant Area really enjoyed an enviable safety record for the first 11 months of 1957—particularly as compared to the same period in 1956. Through November 30 of this year there have been only nine disabling injuries recorded in the Y-12 Plant. During the same period last year there were 27!

Frequency, Severity Rates Drop

This fine mark for the first 11 months of 1957 as against 1956 can best be reflected in statistics for the period. In 1956 the frequency rate (number of disabling injuries per 1,000,000 man-hours of plant operations) in Y-12 was 2.5. It dropped to only 0.9 this year. The severity rate (number of days lost per 1,000,000 man-hours of work) was 1,720 in 1956 and only 30 this year. The high rate last year resulted from two deaths having occurred as the result of an explosion in the salvage yard. So the figures show a decrease of 64 per cent in the frequency rate and 98 per cent in severity for 1957.

Of the 1956 disabling injuries for the first 11 months of the year, 24 of them had occurred by the middle of August. This year, at the same time, only five had been posted. This demonstrates what a special accident-prevention effort can do.

Redoubling Efforts Is Urged

With the holiday season here, however, many minds become occupied with matters causing Y-12ers to forget safety or undervalue its importance, both on and off the job. Therefore, everyone in the Y-12 Plant Area is urged to redouble their guard against accidents and exert every effort to remove hazards before accidents occur.

An indication of the danger of relaxing safety precautions is shown in the fact that five of the disabling injuries in Y-12 have occurred since September 26.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
14 Days Or
425,084 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through December 15

Phone 7755

For Daily Report
On Accident-Free Hours

Thus, in about 90 days the Y-12 Plant has exceeded the number of lost time accidents for the previous eight months.

Although there was a disabling injury on December 1 as a result of failure of an employee to wear adequate eye protection, all Y-12ers are hopeful that the remainder of the year can be worked without another mishap to mar the otherwise fine record.

Minor Injuries Also Fall

Another indication of an improvement in the safety consciousness in the Y-12 Plant is that a decrease of 28 per cent in minor injuries not resulting in loss of time is reported through November this year as compared to last year. The figures are 3,072 such injuries in 1957 and 4,597 last year.

Don't be a "tail-gater."



The Night Before Christmas.



Union Carbide Canada Limited Important In Rapid Industrial Development Of Area

**Five Divisions Of Firm Organized In 1953
Operate 37 Plants And Offices In 24 Cities**

Few countries are more generously endowed than Canada with the raw materials necessary for industrial growth. Yet, only recently has Canada's full productive potential begun to be realized. Canadian industry is booming. And playing an important part in the country's growth has been Union Carbide Canada Limited—a subsidiary of Union Carbide Corporation.

UCC In Canada 50 Years

Union Carbide isn't a newcomer north of the border. It can boast of half a century of activity in Canada's industrial progress. Its five Divisions—Bakelite, Electromet, National Carbon, Linde, and Carbide Chemicals—operate 37 plants and offices in 24 cities from Quebec to Vancouver.

These plants separate or combine nearly half of all the earth's elements, which are often used as

building blocks for the materials that go into products as common as paper clips—and as complex as jet engines.

Most Products Are Basic

Some of Union Carbide Canada's products, such as Prestone anti-freeze and Eveready batteries, have become household words throughout Canada. However, like the products of UCC here in the United States, most of the Canadian products are used as basic materials in other industries.

Although Carbide Canada's operating Divisions have been a part of Canadian industry for many years, Union Carbide's name is relatively new in that country. Union Carbide Canada Limited was formed in December, 1953, to guide the over-all operations of the five Canadian Companies.

Five Companies Are Subsidiaries

Previously, these five existed as separate entities—each reporting to its corresponding company here in the United States. But such an arrangement had its limitations. In order to preserve each Company's identity, yet add the benefits of a Canadian planning group to coordinate activities, Union Carbide Canada Limited was formed as a subsidiary of Union Carbide Corporation. The five Canadian companies became Divisions of this new subsidiary.

This realignment centralized the control of operations of the Canadian companies; but, at the same time, it made each responsible for the conduct of its own business. The Canadian Corporation performs those functions best done centrally—accounting, finance, and the like. But each division retains its own production, sales, industrial relations, purchasing, and traffic departments—the areas in which decentralized operation is most efficient.

Annual Sales \$90,000,000

Today, not quite four years after its formation, Union Carbide Canada Limited is a smoothly running organization with annual sales of about \$90,000,000.

Carbide's Canadian venture hasn't grown haphazardly. Its rapid transformation into one of the leaders in Canadian industry has been due, in the main, to the constant attention given to development of new products and processes.

In addition to having access to Union Carbide's laboratories in the United States, each of the Canadian operating Divisions is responsible for industrial research and development in its own field. With each passing year, these enterprising companies are making new advances, and are exporting a significant and growing stream of ideas to the United States.

UCC Makes Many Contributions

Union Carbide Canada has made many contributions to Canadian industry, and it has also benefited its American parent. Through its diversified operations, progressive policies, and continuing program of research, Union Carbide Canada has helped develop markets for Corporation products both here and in Canada. Its activities definitely point to a future of substantial growth, opportunity, and stability for Union Carbide Canada Limited—and UCC.

Chemical Firm Plans Technical Laboratory

**1959 Completion Seen
For Westchester Work**

Union Carbide Chemicals Company, Division of Union Carbide Corporation, has approved plans to build a technical service laboratory on its Westchester County property near Tarrytown, N. Y. It is expected that the laboratory will be completed early in 1959. D. B. Benedict, President of the Company, in announcing plans for the new laboratory, stressed the importance of providing customers in the chemical industry with technical service.

Research To Help Customers

"Technical service and application research to assist customers in solving their problems and creating new markets for their products has been a Union Carbide creed since we launched our first product," Benedict said. "We are building this new laboratory to centralize present facilities for serving our customers. This represents a definite expansion of our facilities which now provide useful information for virtually all of industry."

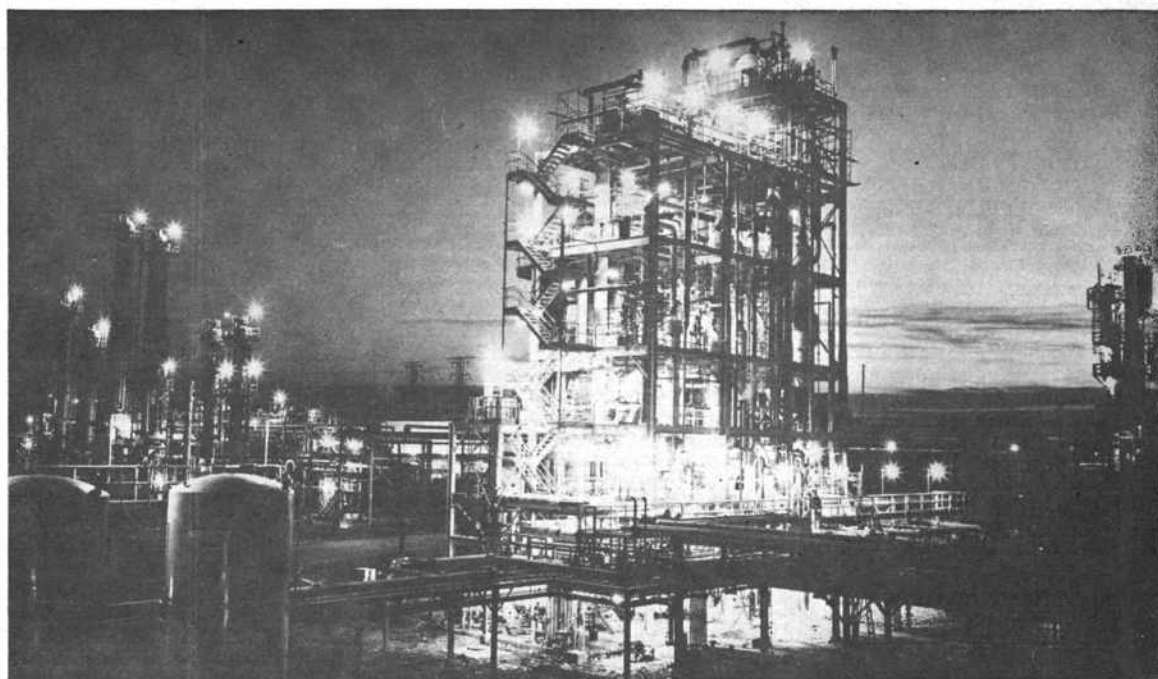
The technical service laboratory will include facilities and personnel to serve 24 major industries. Among these are the paper, plastics, petroleum, rubber, agricultural chemicals, refrigerant, aerosol, surface coatings, automotive and household specialties industries.

Customers Kept Informed

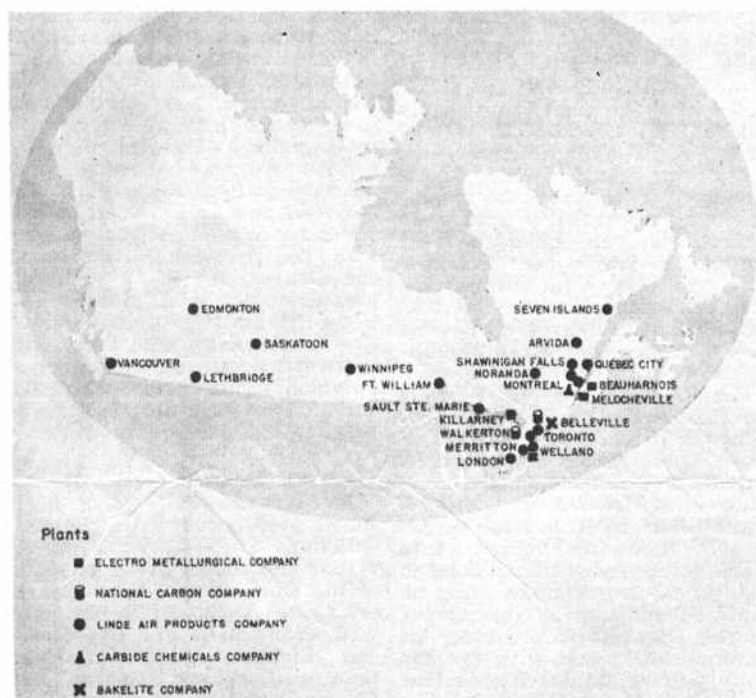
Typical of Union Carbide's technical assistance is its service to manufacturers of nitrocellulose lacquers. Union Carbide specialists keep customers abreast of the changing requirements for solvents and plasticizers as methods of formulating lacquers shift from conventional spray lacquers to hot spray systems, high-low solvent systems, multi-color dispersion, and high resin finishes.

The laboratory, to be situated on a 280-acre campus-like site, will have 63 spacious individual laboratory units. Complete analytical facilities with provisions for tracer chemistry, will be included. All of this will be housed in a handsome three-story structure, 360 by 60 feet. Glass will be used extensively on exterior walls to provide maximum natural light and to give the building a contemporary appearance. The architects are Skidmore, Owings and Merrill.

The laboratory will contain a 200-seat auditorium which will be used for seminars and other technical meetings. It is planned that the Company's sales representatives will get a substantial part of their training at the laboratory before being assigned to the field.



UNION CARBIDE CANADA LIMITED IS GROWING right along with booming industry as a whole in the Dominion. This is UCC's latest development in Canada—a large chemical plant in Montreal, East, Canada.



FROM COAST TO COAST IN CANADA at 24 cities are located plants and offices of Union Carbide Canada Limited. Most of the installations are located near centers of industrial activity, sources of hydro-electric power or in large metal producing areas.



Kinsey Announces Officers For New Olefins Company

Appointment of officers for the newly formed Union Carbide Olefins Company, a Division of Union Carbide Corporation, has been announced by H. D. Kinsey, President of the new Division. The Olefins Company will handle the production and sale of UCC hydrocarbon products, including ethylene propylene and butadiene. No basic changes in the operation of chemical plants by Union Carbide Chemical Company plants will occur as a result of the formation of the Olefins Company.

The newly appointed officers of the Olefins Company, several of whom are well known in Oak Ridge, include R. N. Graham and W. F. Reich, Jr., Executive Vice Presidents; N. C. Babcock, Vice President-Marketing; L. J. Bowditch, Vice President-Engineering; George T. Felbeck, Vice President-Research; and E. P. Shetter, Vice President-Production. William H. B. Geoghegan has been named director of engineering for the new firm.

Robertson Given Director's Post In Development Firm

H. F. Robertson has been appointed Technical Director of Union Carbide Development Company, Division of Union Carbide Corporation, it has been announced by R. E. Cornwell, Division President.

Robertson became associated with Union Carbide in 1926 as a fellow at the Mellon Institute in Pittsburgh. In 1939 he moved to New York as a development engineer for Union Carbide Chemicals Company. In 1944 he was transferred to Bakelite Company, another Division, and became Manager of Technical Planning in 1956.

He was born in Brantford, Ontario. He was graduated from the University of Toronto in 1923 with the degree of B. A., Sc. and did graduate work in chemistry for two years at the University of Pittsburgh.

Protecting classified information is protecting your country.

Contract Awarded For Concrete Foundation, Reactor Building Shell At UCC Laboratories

The Mahony-Troast Construction Co. of Clifton, N. J., has been awarded a contract for the concrete work on the facilities that will comprise Union Carbide Corporation's nuclear and ore research laboratories in Sterling Forest, N. Y.

The contract covers two phases of work; foundations for all buildings and the construction of the reinforced concrete shell for the reactor building. The work includes pouring the high-density concrete specified for the five remote-control cells in the radioactive materials laboratory and for the stall which will house the reactor.

The foundations are expected to be completed by the end of this year. Work on the reactor building and the radioactive materials laboratory will continue through the winter with a completion date set for mid-April, 1958. The Osborn Company, of Cleveland, Ohio, is the architect-engineer for the laboratories.

Focal point of the research center will be the nuclear reactor, which will supply radiation for use in studies of Union Carbide's products and processes. The reactor proper is being built by AMF Atomics, a subsidiary of American Machine and Foundry Company.

Other buildings at the research

center will include an ores and engineering laboratory and the main research and administration building. The center will be operated jointly by Union Carbide Nuclear Company and Union Carbide Ore Company, two Divisions of Union Carbide Corporation.

To date, operations on the 100-acre site have consisted of clearing, excavating, and rough-grading by the West Shore Concrete Company of Suffern, N. Y.

CAROL SINGING CHANGES AS CENTURIES PASS

The custom of singing Christmas carols dates back to ancient times when waifs and minstrels sang them in the streets. The angel chorus may have sung them at the first Christmas almost 2,000 years ago.

The first true Christmas carols, which spread to many European countries, originated in Italy during the 13th Century. These carols, with their folksong-like quality and childlike simplicity, gave way in popularity to more dignified and solemn Christmas hymns in the 18th Century. With the 19th Century came the writing of the beautiful "Silent Night, Holy Night," and other Christmas music.

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
A Division Of
Union Carbide Corporation

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Security Is Stressed In Refresher Letter

Responsibilities Cited For All Y-12 Employees

Because the activities of the Y-12 Plant and other Union Carbide Nuclear Company facilities are an essential part of the Government's atomic energy program, both the Company and individual employees have certain legal and moral responsibilities in the observance of laws, rules and regulations pertaining to security of the plant and the country. These responsibilities have been pointed out many times, but as a memory refresher note, some of them are being stressed in a letter to all employees from Y-12 Plant Superintendent John P. Murray.

Proper Badge Wearing Required
For instance, all Y-12ers are required to wear their badges prominently while within the plant premises. Y-12ers also should check fellow employees whose badges are not properly displayed and also check all strangers in their work areas and determine their authority to be there.

Naturally, all UCNC employees should avoid denial or confirmation of speculative data on the atomic energy program or any of its phases. Classified work should be discussed only on a "need to know" basis with properly cleared persons and no classified information should be discussed where there is a possibility of an unauthorized person listening.

If assigned to escort unclassified visitors, every Y-12er should know and comply with the escort responsibilities.

Must Observe Procedures
Plant procedures on handling classified material and information must be closely observed. When storing classified material or moving it from an area in which it is normally used, make sure it is adequately protected from unauthorized disclosure. Classified documents must be locked in approved repositories when unattended and no classified documents shall be taken home for work purposes. All such documents received from outside sources must be entered into plant accountability for record.

No Y-12er should seek or accept access to any classified information except that which is needed in his own work and any unusual incidents or circumstances concerning the security responsibilities of any individual employee should be reported to supervision.

For safety's sake—be careful.



With the approaching anniversary of the event that sent the Three Wise Men, the Shepherds and the Angels to Bethlehem to hail His birth nearly 2,000 years ago, The Y-12 Bulletin wants to humbly and gladly wish one and all the merriest of Christmases and happiest of New Years. Work and play safely — take care of yourselves and now—just dig in for the last Colyum of the year.

CHEMICAL

Wilma West, Product Processing, will spend a happy Christmas season—her daughter, Barbara, is home for the holidays from TPI at Cookeville . . . Congratulations are in order for Zane Ardery, whose newest addition to his family is a darling baby girl named Donna Lynn . . . Condolences are extended George Jasny, whose father died recently; and also to Theira Flood, whose husband's grandmother was claimed by death.

MAINTENANCE

The Colyum wants to warmly welcome Alice Boxley as its new scribe in Research Services—she is replacing Ann Kennedy, who is leaving to travel the Road to Maternity . . . Don Hill is back from an enjoyable vacation made so by a successful deer hunt in Pennsylvania . . . Away with miseries before Christmas wishes are sent G. E. Fisher, P. Pelfrey, E. T. Wallace, N. L. Browder, L. M. Thompson, A. P. Waugh, J. R. Rule, D. J. Wood, C. A. Gregory, F. W. Sutton and B. B. Coulter . . . Sympathy is extended S. R. Messamore, whose father died recently. Process Maintenance finally comes up with some deer news . . . Frank Blair and A. D. Dean at last brought home the venison with Frank getting a 100-pound doe and Dean a 60-pound spike buck on Central Peninsula December 6 . . . Charley Beckett is enjoying his vacation this week with his son Jimmy, home on leave from the Naval Base at San Diego, Cal. . . Pete Schrader visited friends and kin folks up around Pulaski, Va., recently . . . B. T. Fox is celebrating the birth of a baby boy born December 11, weighing in at seven pounds, 13 ounces.

Buildings and Grounds extends condolences to M. T. Johnston, whose brother died December 8 in Rome, Ga.

From the Laundry Department comes word that Nannie Waggoner is on a three-week vacation to spend Christmas with her grandchildren in Indiana . . . T. A. Polston is spending the same time resting (?) on his farm.

Transportation sends rapid recovery wishes to W. T. Bradshaw in Baptist Hospital in Knoxville. . . Katherine Miller is getting ready for a visit from Santa at her home in Clinton.

The Garage sends get well wishes to C. W. Toney and extends condolences to J. H. Sievers, whose brother-in-law died recently.

FINANCE AND MATERIALS

Mary Thompson, Tabulating Services, and her husband, Jim, Alpha Five, are visiting friends in Nashville . . . Donna Matlock is taking it easy at home in Oak Ridge . . . Virgil Martin receives his Master's Degree in Agriculture (a farmer, yet?) from the University of Tennessee today, December 18.

A whole flock of friends of Pauline Barnhill, Plant Records, will miss her after her recent transfer to Oak Ridge National Laboratory . . . Herbert Reynolds is welcomed to the department.

Lula Belle Justice, Mail Room, is enjoying a holiday vacation at home over near Oliver Springs.

Buzz Strunk, Materials, is taking it easy over at his Concord home



for a few days . . . Pauline Arnold is winding up her Christmas shopping while vacationing in Knoxville . . . Reid Bayless is vacationing at home in Oak Ridge and has his mother as a holiday guest.

ALLOY

Proud Papa of the Week in Alpha Five is Jay Coates with a baby girl added to the family December 9 at Oak Ridge Hospital—weighed seven pounds, 11 ounces and named Vicky Ann . . . Paul Meredith is resting up at home in Lake City . . . H. L. Wigginton is visiting relatives in Corinth, Miss.

P. J. Conerly also is down thataway seeing kin folks in Aberdeen, Miss., and also to attend the wedding of a niece in Okolona, same state . . . C. E. Wuest was a week ender in Paducah, Ky.

Alpha Four and the Auxiliaries send get well wishes to S. B. Underwood and L. S. Skeel, both of whom recently underwent surgery. . . The Auxiliary Group sends condolences to E. V. Kidwell, whose mother died recently . . . Good-bye and Merry Christmas to Co-Ops Ed Dickey and Terry Killingsworth, returning to Alabama Polytechnic Institute at Auburn; and to Tom Browney, leaving for Virginia Polytechnic Institute.

TECHNICAL

Jeri Kobish, in Special Projects, shoots over a cute little "Season's Greetings to All of You from All of Us" and signed by all members of the club—to wit, Ernie Zurcher, Looie Anfinson, Bobby Bagwell, Frank Ballenger, Chet Borge, Jay Fielden, Harvey Hankins, George Lockhart, George McGown, Frank McGuinness, Paul Melton, Ted Newman, Larry Rinderer, Ella Stansell, Sam Rea, Helen Stone, Harold Williams, Jim Warner, Don Woodbridge and Dick Wyrick . . . Hope we have everyone listed (if not, Jeri will take care of it) and Season's Greetings right back at you.

Kay Sideris, of the eerie Engineers, has a special message to S. Claws for delivery — "Tell Santa," says Kay, "to give me more than 24 hours per day for Christmas so I can be a better reporter" . . . However, she sends along word that Mechanical Engineering was well represented at the Technical Division whing-ding last Friday night with everyone in a gay mood . . . Helen McNew is enjoying another week of vacation in LaFollette . . . The Jack Blackbys have moved to a new Oak Ridge home . . . Tommy Swindell was in Nashville last Wednesday—and fresh beefsteak is on the menu at Wimpy Hilton's after he slew the fatted calf last week . . . Bill Hood brought back a 151-pound buck from his Thanksgiving deer hunt on Central Peninsula — but when Bill Forrester had a chance his gun jammed . . . O. T. Smith is mighty proud of that fine baby girl born November 24 weighing in at six pounds, 11 ounces . . . Earl Smith and family vacationed in Akron, Ohio, last week.

Production Analysis has Billie Britton vacationing in Oak Ridge, C. B. Burnette in Knoxville and Paul Bonner—he just got away . . . Rapid recovery wishes to Sissy Haney in Oak Ridge Hospital and also to ailing Annie Smith.

Carolyn Kitchens had company from Chattanooga over the past week end . . . Tanya Ditchen and Jenny Hill are Christmas shopping this week.



TIRED YOUNGSTERS provide the subject matter for winners in the Y-12 Weekly Photographic Contest for the week ending December 13. At top "Bedtime Story" by T. H. Barton, Production Analysis, took first place while in second place was the snap by C. G. Brewster, Medical, called "Too pooped to pop."

Jim Henry, Development Operations, and his wife, Audrey and baby, took a tour around Atlanta, Jellico and Sevierville last week.

The SD Chemical Development delegation of Development Operations and many other friends of Bill Burns, the old Y-12 Cardinal baseball manager, extend deepest sympathy to him over the death of his father recently in Georgia. . . Al Smith is back after an Oak Ridge vacation.

MECHANICAL OPERATIONS

R. E. Lee, Alloy Shop, is vacationing with his principal activity being looking over his new son, born December 2, weighing eight pounds, four ounces.

The Sunflower Shop's H. E. Cornell and his missus were weekend visitors in Louisville, Ky., recently . . . Nashville was W. L. Blackford's vacation pick . . . Get well wishes to J. A. Whitson, ill in St. Mary's Hospital, Knoxville; also W. C. Gordon, J. L. McGinnis, L. B. Elkins and W. B. Stephens.

E. W. Smith, a recent rehire of the Company, is welcomed to Tool Grinding and Machine Maintenance — also J. W. Gorenflo, G. Beeler and F. H. Frank . . . E. L. Pugh is the happy Grandpop of an eight-pound, eight and one-half ounce grandson born to the wife of his son December 6—the other Grandpop is Edmond Roberts, of Process Maintenance . . . L. A. Taylor invited boat riders to his basement after recent rains. . . Best wishes to Mrs. F. Douglas and Mrs. F. Helegsen, both of whom are ill . . . J. H. Oldham is welcomed back after an illness. . . Condolences are extended D. Griffies, whose sister died recently . . . Also to A. Hensley, who lost his brother-in-law a few days ago.

Lyle Lankford, General Machine Shop, is on a quail hunting safari in the Cumberland . . . W. L. Scruggs also is hunting—seeking ducks in Arkansas . . . J. D. Byrd is up in Michigan and Canada for a couple of weeks . . . George Stines is visiting relatives in Asheville, N. C. . . John Shoopman is spending a week at home in Oliver Springs . . . J. W. Cantrell has been called to Orlando, Fla., to be with some sick relatives . . . J. M. Butts and B. B. Addison are welcomed back after being on the sick list.

INDUSTRIAL RELATIONS
Safety extends sympathy to



Get-well wishes are extended to the following Y-12 employees who were patients in the Oak Ridge Hospital last week.

B. B. Coulter and G. E. Fisher, Research Services; S. A. Hodnatt, Instrument Engineering; Frankie Dubose, Mechanical Operations; C. N. Cook, Production Inspection; D. C. Bowen, Steam Plant; H. L. Spurgeon and W. C. Johnson, Buildings and Grounds; B. F. Hope, Property Sales; P. G. Hatmaker, Colex Auxiliary Operations; Z. E. Kidwell, Stores; R. F. Stanfield, Beta Two; J. R. Helton and A. C. L. Rainwater, Process Maintenance; Aleene Haney, Production Analysis; T. A. Burkett, Employment; James E. Campbell, Industrial Relations Administration; L. S. Skeel, Alpha Four Cascade Operations; J. T. Thomas, Mechanical.

More CPS Are Employed By UCNC In Oak Ridge

There are more Certified Professional Secretaries employed by Union Carbide Nuclear Company in Oak Ridge than by any other firm in the United States, the Oak Ridge Chapter of the National Secretaries Association has been informed. The chapter also has announced that Tennessee ranks among the top 10 states with the highest number of secretaries passing 1957 tests, being in eighth place for the highest number of CPS holders.

The CPS program is sponsored by the NSA with the University of Tennessee as one of the test centers. Application for next year's examinations must be made before December 1 and sent to the committee on qualifications, National Secretaries Association, 222 West 11th St., Kansas City 5, Mo. Examinations are open to all qualified persons more than 25 years old, men as well as women, members or non-members of the NSA.

Austin Read, whose brother died recently in Brownsville, Tenn.

Get well wishes are dispatched to Henrietta Jenkins, Security, who was on the ailing list several days last week.

Jamie Goodman, the fine pie man and baker of the Cafeteria, is vacationing at home in Oak Ridge — painting, 'tis said . . . Madeline Tackett is so happy to have her son, Johnny, out of the Army and home for Christmas.

The Boys in Gray of the Guard Department welcomed Capt. Ray Ledford back last week after a spell in Oak Ridge Hospital . . . Get well wishes still are being sent E. L. Bellamy, J. B. Quinn, A. J. Ballinger and T. R. Smith—and it is hoped Shirley Honeycutt will be back to put some pep in East Portal proceedings this week after fighting off pneumonia . . . T. J. Bush and P. H. Williams are spending a couple of weeks hunting all kinds of birds in East Tennessee.

SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

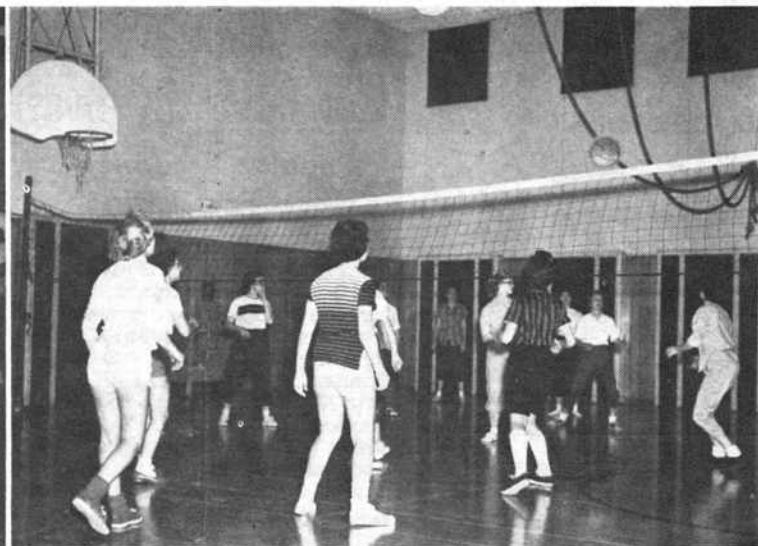
C Shift Superintendent Del Bender is vacationing around home . . . Relief Superintendent H. N. Benninghoff is off for a couple of weeks in New York and Pennsylvania.

The candle is burning low—the hour is late—so until next year—





A BEAUTEOUS BUNCH OF Y-12 GALS—CALLING THEMSELVES THE "Y-ETTES" are having the time of their lives in the All-Carbine Women's Volleyball League. At left is the entire squad just before the season started Thursday, December 5. In rear from left are Bobbie Alexander, Julia Pressnell, Capt. Bonnie Reesor (elected by other squad members), Fran Willie, Regina Camp, Katie Sells, Jane Sheldon and Mary Wayne



Strickland. In front are Doris Thomas, Peggy Silver, Barbara Pullen and Carol Puckett. In the action picture at right of a practice game the Y-ettes are shown on the near side of the net with Julia Pressnell being in white at left with Peggy Silver just behind her. Then come Bonnie Reesor, center, and Mary Wayne Strickland. The Y-12 girls are finding the game lots of fun that provides plenty of exercise.

1957 Fish Contest Sets Entry Record

Closes December 31; 1958 Contest Follows

Already the 1957 Y-12 Annual Fishing Contest has drawn considerable more entries than the event did during all of last year and if suitable weather prevails for the last few days of this year the number may still be increased, it is believed by the Y-12 Recreation Department. Through last Friday more than 50 finny candidates had been entered in the contest for 1957 that will provide fine prizes in sports equipment to winners in the various categories, as against only 40 for the entire year of 1956.

January 15 Entry Deadline

The 1957 contest closes at midnight, Tuesday, December 31, and the deadline for returning entry blanks to the Y-12 Recreation Office, Room 226, Bldg. 9704-2, is 4 p.m. on Wednesday, January 15. The entries will be judged by a committee composed of Avery Kendig, Buildings and Grounds; W. E. Davis, Security; and Harlan Wright, Recreation Supervisor; and results will be announced as soon as possible in The Bulletin.

The 1958 Y-12 Annual Fishing Contest will pick up right where the 1957 contest closes, opening on New Year's Day. The complete rules are printed on the entry blanks, which may be obtained from the Recreation Department office and through shift recreation committees. All Y-12 anglers are urged to keep a supply of the entry blanks on hand to be prepared for any fishing expeditions that they may stage so that their "big 'uns" can be registered properly and become eligible for the prizes awarded at the end of the year.

Be Sure To Have Picture

Care is urged in filling out the entry blanks to give all the information called for, especially a side view snapshot of the fish and certification of the catch. Fish eligible for prizes in the contest are largemouth, smallmouth and striped bass, bluegill, bream, crappie, walleyed and sauger pike, trout and rough fish (catfish, carp and drum). Only Y-12 employees are eligible to enter the event and fish must be caught only in legal open seasons on rod and line in the continental United States. No salt water fish are eligible nor are largemouth bass from Florida or trout caught anywhere except in the state of Tennessee or the Great Smoky Mountains Park.

In Melbourne, Rodeo Rider Reginald Cakebreak tried his niece's rocking horse—fell and broke his collar bone.



HERE'S ANOTHER FINE large-mouth bass caught by a Y-12 angler to contend for honors in the Y-12 Annual Fishing Contest. G. F. Manning, TW Shop, landed this beauty from Watts Bar Lake, using a shyder lure.

King Pins Leading In Knox Pin Loop

The recently formed Y-12 Evening Shift Bowling League is now in full swing for Knoxville kegglers at the Magnolia bowling lanes. Last week the first place King Pins topped the Night Owls with a three-point victory while the second place Do Littles blanked the Hot Shots with a four-point whitewash game.

J. R. Murphy, of the Do Littles, topped the individual scratch single game with 214, while T. W. Compton, of the Do Littles, led the scratch series with 546. Jack Stalsworth, also of the Do Littles, topped the handicap scoring with a 251 single and a 637 series.

The Do Littles also romped to team scoring honors as they posted a 752 scratch single game, upped to 896 with handicap, and a 1994 scratch series which jumped to 2426 with handicap applied.

League standing follows:

| Team | W | L |
|------------|----|----|
| King Pins | 10 | 2 |
| Do Littles | 8 | 2 |
| Hot Shots | 4 | 4 |
| Night Owls | 2 | 10 |

Hawks Shutout Foe In Volley League

The Hawks remained undefeated in the Y-12 Men's Volleyball League last week as they took two games straight from the Sooners by scores of 15-1 and 15-6. The Hunters took two out of three from the Beavers by margins of 15-9, 15-8 and lost 13-15.

| Team | W | L |
|---------|---|---|
| Hawks | 6 | 0 |
| Hunters | 4 | 2 |
| Sooners | 1 | 5 |
| Beavers | 1 | 5 |

Hard Luck Y-ettes Drop Close Games In Carbide Women's Volleyball Loop

Most Games Lost By Close Scores; ORGDP Spikers Lead League Race

Bad breaks and tough luck again plagued the gamely fighting Y-ettes last week in the Carbide Women's Volleyball League. Although the Y-12 gals lost four games and won two, three of the

Wolves Keep First In Classic League

The Wolves continued in top spot in the Classic Bowling League last week as they took three points from the Swingsters. The Has Beens stayed one jump behind the leaders with a three-point victory over the Tigers. The Wasps whitewashed the Rebels while the Rippers took three from the cellar-dwelling Screwballs. The Bumpers and the Playboys split a four-point match while the Cubs and All Stars also broke even.

Frank Gragg, of the Wolves, led individual scoring honors with a 232 scratch single game, a 636 scratch series and a 684 handicap series. R. P. Wallace, of the Wasps, topped the handicap single with a 250 score.

The Bumpers took the team scratch single game with 900 and the handicap series with 2865. The Playboys led the handicap single with 1033 and the Wolves topped the scratch series with 2512.

League standing follows:

| Team | W | L |
|------------|----|----|
| Wolves | 10 | 2 |
| Has Beens | 9 | 3 |
| Wasps | 7 | 4 |
| Bumpers | 7 | 5 |
| Rippers | 7 | 5 |
| Rebels | 6 | 6 |
| All Stars | 6 | 6 |
| Tigers | 5 | 7 |
| Playboys | 5 | 7 |
| Cubs | 5 | 7 |
| Swingsters | 3 | 9 |
| Screwballs | 1 | 11 |

Double Take by Bob Barnes



Murderer's Row Boosts Loop Edge

The first place Murderer's Row team mowed down the Hornets with a whitewash victory last week to widen their margin over the second place Alley Cats in the C Bowling League. The Alley Cats were whitewashed by the Hi Balls and the Sunflowers took a four-point forfeit from the Daffodils. The Chillers and the B Shifters split with two points each.

In the individual scoring race R. R. Galford, of the Sunflowers, had the top scratch single game with 211 and the scratch series with 554. E. Breazeale, of the B Shifters, topped the handicap single with 247 and the series with 631.

Murderer's Row swept all team scoring honors with a 874 scratch single game, upped to 1040 with handicap, a 2319 scratch series which was hiked to 2842 with handicap applied.

League standing follows:

| Team | W | L |
|----------------|----|----|
| Murderer's Row | 39 | 17 |
| Alley Cats | 32 | 24 |
| Sunflowers | 31 | 25 |
| Hornets | 30 | 26 |
| B Shift | 29 | 27 |
| Chillers | 28 | 28 |
| Hi Balls | 26 | 30 |
| Daffodils | 9 | 47 |

Asked for her secret of having lived 100 happy years, an English woman replied, "Never do a day's work, I haven't." She celebrated by spending an extra five hours in bed.

Basketball League Opens This Week

Four Teams Begin Play December 17

The Y-12 Plant Basketball League has been organized and the teams have been practicing in the Robertsville gymnasium for the past week. Play for the loop began December 17 in the Robertsville gymnasium, where all league tilts will be played this season. The Bulletin had already gone to press when the opening games were played and the results were not available at press time.

Basketball has always been a popular sport among Y-12ers and the teams this season promise to deliver many an exciting game. All games will be played on Tuesday and Thursday nights at 7 p.m. and all Y-12ers are invited to come out to the Robertsville gymnasium and root for the team of their choice.

The teams this season and their managers are as follows: Wizards, L. M. Fitzgerald; Rims, A. C. Wright; Engineers, H. F. Wentworth; Sharpshooters, M. T. Little. Any Y-12 employee interested in joining one of the teams and taking part in the fast moving sport are requested to communicate with the Y-12 Recreation Department, plant phone 7753, Room 226, Bldg. 9704-2.

Scrappers Shutout Nip-Tucks; Gain Tie

The Scrappers lived up to their name in the Mixed League last week as they rocked the first place Nip and Tucks with a sour scrappy whitewashing. For the Scrappers moved them into a tie for first place with the Nip and Tucks with only one night left in the first half of the season. The third place Clippers stayed within shooting distance of the loop leaders with a three-point win over the Units. The second division Pin Cats and Alley Cats tangled with the Alley felines emerging victorious with a three-point triumph.

Carl Frazier, of the Units, took individual single game scoring honors with a 205 scratch record that was upped to 246 with handicap. Tom Hillard, of the Scrappers, led the series scoring with a 519 scratch game and a 618 handicap.

The Scrappers swept all team scoring honors with a 589 scratch single game, a 759 handicap single, a 1719 scratch series and a 2219 handicap series.

League standing follows:

| Team | W | L |
|---------------|----|----|
| Nip and Tucks | 33 | 23 |
| Scrappers | 33 | 23 |
| Clippers | 30 | 26 |
| Pin Cats | 28 | 28 |
| Alley Cats | 26 | 30 |
| Units | 18 | 38 |

A chip on the shoulder indicates wood higher up.

From Nine to Five by Jo Fischer



Gee, kids, have I got will power! I saved for a couple of bargains, but fell enough from my salary to buy U.S. Savings Bonds for the main gifts. They don't wear out, you know—just keep on getting better. Hope I find some in my Christmas stocking, too!



Bulk Rate
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Christmas Fire Hazards Loom; Can Be Avoided

Safe Lights, Trimming And Care Can Bring Happy Holiday Season

Every year, from a few days before Christmas to New Year's Day, a plague of fires rages throughout the country. Many of these fires—most of them around Christmas trees—result from extra hazards which exist only during the holiday season and from carelessness that would not be tolerated at any other time.

A Missourian lights a match with his thumbnail—the burning head flies into a Christmas tree and a mother and three children die in a fire that destroyed their home. A neglected toy train ignites a Christmas tree in a New York hotel and four are burned. In Hartford, Conn., the replacement of a frayed cord would have saved 47 patients in a convalescent home—all victims of a short circuited electric wire that touched off combustible decorations around their Christmas tree.

Tragedies Can Be Avoided

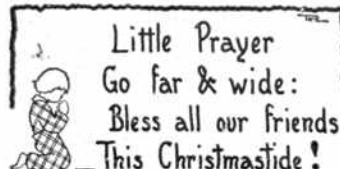
These tragedies—all of which actually happened last year—can be avoided by following some simple rules of fire safety. For instance—

Select a growing Christmas tree if possible and keep it out of doors in water until ready to set it up. Take it outside as soon after Christmas as possible—December 26 is recommended. When erecting, place the tree in a pan of water with the trunk sawed off at an angle. Support the trunk well and keep it away from sources of heat.

Do not use candles on a Christmas tree or have candles near where there is a chance for an open flame to ignite the tree or combustibles under or nearby. Use only lighting sets bearing the Underwriters Laboratories label and check sets each year before using for frayed wires, loose connections and broken sockets. Be sure that all tree lighting is turned off before retiring or leaving home and don't plug too many cords into one outlet.

Don't let Christmas wrappings accumulate in the home. Place them in a metal covered trash barrel or burn them in an incinerator as soon as possible. Non-flammable material or flame-proofed material should be used for home decoration wherever possible—including Santa Claus' whiskers.

Electric trains or toys powered by spirit fuel should never be set up under a Christmas tree and as a final safeguard have water type fire extinguishers, buckets of water or even a garden hose handy—just in case.



*Watch Out
for FIRE, too
at Christmas
Time*



Turkey Dinner Set Tomorrow; 'Special' Entrees Announced

Y-12ers will be treated to the annual de luxe Christmas Dinner tomorrow, Thursday, December 19, when a full holiday dinner featuring baked turkey with all the trimmings will be dispensed for only \$1.10, including tax. Individual items may be obtained at posted a la carte prices. The complete dinner consists of choice of soup or juices, turkey or veal cutlet, choice of two vegetables and one salad and one dessert, bread and butter and beverage.

During the holiday season, the Y-12 Cafeteria has announced excellent entrees for the 50-cent Special Lunches to be served on Tuesday, December 24, Thursday, December 26, and Tuesday, December 31. On December 24 the main dish will be smoked beef tongue with raisin sauce. For December 26 chuck wagon steak will be served and on December 31, New Year's Eve, braised short ribs of beef will be offered. The Special Lunches also include one vegetable, choice of salad or dessert and rolls and butter.

Keep mum chum! Y-12's security is that of the nation.

CHRISTMAS CUSTOMS DIFFER IN PLACES

In Ireland only women named Mary may snuff the candles in church on Christmas Eve. Gifts are exchanged in Holland on December 6 instead on the usually recognized Christmas date of December 25. Some Scandinavian families place all their shoes together on Christmas Day in the belief that this will cause harmonious living throughout the year. In Nova Scotia it is considered bad luck to take a Christmas tree down before the end of New Year's Day. In the 16th Century gifts consisting of something pleasant and useful and something for discipline were tied together in bundles.

New Series E Savings Bonds Make Fine Christmas Gift, Can Be Easily Bought Through Payroll Deduction Plan

Popular Securities Have 'Face Lifting'

What could be a more appropriate Christmas gift than one which represents future security for the recipient—and what gift could represent that security more than the popular Series E Savings Bonds. Through the Union Carbide Nuclear Company payroll deduction plan these bonds can be easily purchased either for immediate delivery or when paid for and then presented as a gift.

Issued On Cardboard Stock

The old favorite Series E Savings Bonds now are appearing in a new and more attractive form—and are just as valuable, even more so, than they were years ago. The 16-year-old bonds finally felt the effects of the electronic age and the new Series E Bonds are being issued on cardboard stock, the size of an IBM card so familiar to all Y-12ers. They are slightly smaller than the old bonds but carry the same popular appearance that inspires confidence and pride in ownership.

The Series E Bonds still are sold in denominations of \$25, \$50 and \$100. To buy them—all a Y-12er has to do is to go to the Timekeeping Office on the ground floor of the Y-12 Cafeteria and sign a payroll deduction authorization card with the deductions to fit the income of the purchaser. When a bond is paid for it is delivered to the purchaser—or on request of the purchaser the bond will be held in safe keeping by the Company.

Old Bonds Bring Memories

In some respects it is kind of sad to see the old type Series E Bond go. It brings back many memories to all Americans old enough to remember the grim days of 1941-1945—when to millions the Series E Bond was a symbol of patriotic spirit of cooperation in helping the country.

The Series E Bond also inspires a vivid mental picture for those who have bought them regularly over the years. That picture mirrors a more recent development—the redemption of some bonds to meet such needs as higher education for the children, a down payment on a home or automobile or a foundation stone for retirement.

All those benefits for security and savings still are held by the Series E Bonds—they earn three and one-quarter per cent semi-annually when held to maturity and they mature in eight years and 11 months.

The awkward age—too old for income tax deduction and too young for your old age pension.



JUST FOUR DAYS OLD—and already speaking her mind is Nancy Loraine Arrowood, new daughter of W. T. Arrowood, General Machine Shop as her "big sister," Dona Gail, just two herself, is doing a job of baby sitting for the youngest member of the family.

**THOUGHTFUL
SANTAS
GIVE...**

U.S. SAVINGS BONDS



Y-12ers Weight Conscious; Order 904 Awards Of Scales

5,895 Articles To Be Purchased For UCNC Employees Establishing 21st Safety Period

Y-12ers must be becoming weight conscious—as the bathroom scales offered as an individual safety award for Union Carbide Nuclear Company employees participating in the record-breaking 21st

UCC Safety Period proved the most popular of the 17 attractive items from which to choose. This article was selected by 904 UCNC employees.

The next most popular item was the electric hair dryer, with 650 being picked. Following in order were ice boxes chosen by 659, soldering kits 600, world globes 496, cutlery sets, 469, aluminum mixing bowl sets 323, electric alarm clocks 299, electric lanterns 242, step-on lid garbage cans 216, aluminum one-gallon picnic jugs 177, weather instruments and lap robes in zipper case 172 each, women's "tote" bags 155, bean pots 154, golf umbrellas 135 and trolling reels 82.

The 21st UCC Safety Period was the longest period of accident-free operations in the Y-12 Plant. Beginning on June 13 it extended 105 days to September 24 with a total of 3,132,039 man-hours of plant operations performed without a disabling injury. The next longest period without a lost time accident was back in 1953 when 3,126,787 man-hours were worked without a mishap.

Orders have been placed for the 5,895 articles requested by Y-12ers eligible for the individual awards.

Rides Wanted, Offered

Two riders wanted from Burlington section, Knoxville, via Dutch Valley Road, to any portal, straight day. John Bennett, plant phone 7-8352, home phone 2-3524, Knoxville.

Ride wanted from 139 Hamilton Circle, Oak Ridge, to East Portal, straight day. Mrs. N. C. Holcombe, plant phone 7302, home phone 5-7653, Oak Ridge.

Ride wanted or will join car pool from vicinity West Haven, Knox County, to Central or West Portal, J Shift. James Barnes, plant phone 7623, home phone 8-8174, Knoxville.

Y-12ers Urged To Accept Free Stamping Of Hubcaps

Oak Ridge Police Chief C. T. Vettel has proposed that all Y-12 motorists take advantage of the free offer now in effect at many Oak Ridge filling stations to stamp identifying numbers on their hubcaps. This move has been highly successful elsewhere in cutting down thefts of hubcaps, in some places as high as 80 per cent.

The filling station operators and automobile dealers participating in

the identification program stamp numbers on the outside of the hubcap in an inconspicuous place near the valve stem. The stamping does not mar the hubcap design and consists of the placing the last four digits of the serial number of the vehicle on the hubcap. Even if attempts are made to file off the numbers, they can be detected, Chief Vettel declared, definitely foiling thieves.

BE SURE IT'S SAFE, THEN GO AHEAD!